

WHAT IS CLAIMED IS:

1 1. A method for distorting a recording of projected images, comprising the steps of:
2 imposing modulated entities on video content of video source material, the
3 modulated entities including artifacts incompatible with the video content;
4 demodulating the modulated entities; and
5 projecting the video content to provide the projected images.

1 2. The method of claim 1 wherein the step of imposing modulated entities
2 includes the steps of:
3 separating the video content into selected colors; and
4 varying at least one of a plurality of parameters of at least one of the
5 selected colors.

1 3. The method of claim 2 wherein the at least one parameter is selected from the
2 group comprising intensity, frequency, gain, brightness, luminance, duty cycle,
3 amplitude, and wavelength.

1 4. The method of claim 3 further comprising the step of selecting a space for
2 modulating the video content.

1 5. The method of claim 1 further comprising the step of encoding modulation
2 information corresponding to the modulated entities, wherein the projecting step further
3 includes the step of decoding the modulation information.

1 6. The method of claim 4 wherein imposing the modulated entities further includes
2 the step of modulating the video in the selected space.

1 7. The method of claim 3 wherein the parameter comprises intensity, the varying
2 step including the step of determining the intensity as a function of position on the video
3 content.

1 8. The method of claim 3 wherein the parameter comprises duty cycle, the varying
2 step including the step of determining the duty cycle as a function of position on the
3 video content.

1 9. The method of claim 3 wherein the varying step includes the step of determining a
2 value of the parameter as a function of position on the video content, the function
3 describing a modulation envelope, the modulation envelope decreasing a magnitude of
4 the parameter to correct an alignment error.

1 10. The method of claim 1 wherein the video source material comprises film.

1 11. The method of claim 5 wherein the video source material comprises film, the
2 encoding step including storing the modulation information on the film.

1 12. The method of claim 5 further comprising the step of varying the modulation
2 information with respect to the video source material.

1 13. Video source material for a projection system, comprising:

2 modulated entities for providing artifacts incompatible with a video content of the
3 video source material; and
4 selectively deliverable modulation information, wherein the projection system
5 demodulates the modulated entities according to the modulation information and
6 introduces a recording device dependent interference.

1 14. The video source material of claim 13 wherein the modulated entity is a shape
2 imposed on the video content of the video source material, the shape being color
3 modulated as a function of position on the video content.

1 15. The video source material of claim 14 wherein the function decreases a magnitude
2 of a modulated parameter in proximity to an edge of the shape.

1 16. The video source material of claim 13 wherein the modulated entity includes a
2 spatially modulated entity.

1 17. A system for distorting a recording of projected images, comprising:
2 video source material having modulated entities for providing artifacts
3 incompatible with a content of the video source material and having selectively
4 deliverable modulation information; and
5 a projector system responsive to the video source material to provide the projected
6 images, the projector system including:
7 a modulator responsive to the video source material, the modulator

8 imposing a recording device dependent interference on the projected images; and
9 a demodulator responsive to the video source material for demodulating
10 the modulated entities according to the selectively deliverable modulation information.

1 18. The system of claim 17 wherein the video source material includes film and
2 wherein the modulation information is encoded on the film.

1 19. The system of claim 17 wherein the modulated entities are color modulated and
2 the modulator varies a projection rate of the modulated color.

1 20. The system of claim 17 wherein the modulated entities are spatial entities, the
2 projection system including:

3 a scanner operable to scan a white light strip over a frame;

4 a color separator operable to separate the white light strip into color light
5 strips; and

6 a separator operable to separate the modulated entities into component
7 colors, wherein the modulator modulates the component colors of the spatial entities over
8 at least one of the color light strips.

1 21. The system of claim 17 wherein the projection system includes an electronic
2 projection system and the modulation information includes information downloadable
3 from a remote source.



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[illegible]